

IN THE CLAIMS:

The following is a complete listing of claims in this application.

1. (original) A string device formed with or incorporated with means for the transfer of communication signals or power, in applications of monitoring, control, communication, detection, measurement or power distribution, consisting of a passive structural core element (11) and an active longitudinal element (12), such as a conducting material, capable of power and/or signal transfer, characterized by that the active longitudinal element (12) being positioned at the outer surface of the core (11) so that it becomes accessible for external contacts.

2. (original) A string device according to claim 1, characterized by that the longitudinal active element (18-21) being a conductor positioned in at least one longitudinal slit (14-17) or conduit of the structure (13), of which slit or conduit is accessible from the outer surface of the string device

3. (original) A string device according to claim 2, characterized by that the conductor being a metal coat, an insulated wire, a fibre optic conductor, or a low melting point metal, for the transfer of communication signals, control signals or power.

4. (currently amended) A string device according to claim 1 ~~or 2~~, for use as a heat detector, characterized by that the core (13) is consists of an electric or optically non conducting material which is not structurally challenged by surrounding temperatures up to a range above a set threshold temperature, and which contains at least one track coating (18,19) or wire of conducting material which breaks and/or becomes non conductive at a set threshold temperature.

5. (original) A string device according to claim 4, characterized by that the conductor material being a low melting alloy, such as Woods metal, other alloys, polymers, or optical fibres which discontinue the signal flow at a set threshold temperature.

6. (original) A string device according to claim 4 or 5, characterized by that it in two or more longitudinal ribbons, are arranged separate conducting tracks.

7. (original) A string device according to claim 1, characterized by that the core (23) offering longitudinal conduits (26,28,30) available for conductors, such as electrical or optical (27,29,31) conductors.

8. (original) A string device according to claim 7, characterized by that the conduits (26,28, 30) being C shaped with a slit gap (27,29,31) which can be temporarily widened for insertion of wire like conductors (32,33, 34) in each conduit.

9. (currently amended) A string device according to ~~any one of claims 1-9~~ claim 1, characterized by a longitudinal track (25,48) or a ridge at the outer surface of the core (23,35) for indication and positioning when connecting.

10. (currently amended) A string device according to ~~any one of claims 7-9~~ claim 7, characterized by that the core (23) being ribbon shaped with longitudinal tracks (26,28, 30) grooved into one side.

11. (currently amended) A string device according to ~~any one of claims 7-9~~ claim 7, characterized by that the core (35) having a circular or elliptical cross section and the longitudinal tracks (36-40) are arranged at the perimeter.

12. (original) A string device according to claim 11, characterized by that the core having 3-8, preferably 5 tracks.

13. (currently amended) A string device according to ~~any one of claims 7-12~~ claim 7, characterized by that the string device is provided with an outer insulating sheath.

14. (currently amended) A connector system for string devices according to ~~any one of claims 1-13~~ claim 1, characterized by that at least one receptacle (46) for at least one end of a string device(35), and incorporating one or more contacts (49-52,59) at the inner surface of the receptacle to provide a signal or current connection with one or more conductors (41-45) of the string device.

15. (original) A connector system according to claim 14, characterized by that the receptacle or receptacles provides at least one longitudinal electrical contact knife (49-52) with its edge pointing inwards and making contact with a respective conductor (41-44) of the string device.

16. (original) A connector system according to claim 14, characterized by that the receptacle being a photo coupler, particularly a light transmitter and/or a receiver (59), which may communicate with optical fibre or nano fibre (45) of the string device.

17. (currently amended) A connector system according to ~~any one of claims 14-16~~ claim 14, characterized by that the receptacle being cylindrical for the splice connection of two string devices.

18. (original) A connector system according to claim 17, characterized by that the receptacle (46) having radially protruding pin terminals (53-56) for at least one contact knife (49-52).

19. (currently amended) A connector system according to ~~any one of claims 13-18~~ claim 14, characterized by that the receptacle or receptacles having angled sharp knifes (57) that digs into the outermost insulated parts of the string device

and prevents it from being pulled out.

20. (currently amended) A connector system according to ~~any one of claims 14-19~~ claim 14, characterized by that the receptacle being designed to fit the outer shape of the string device and aid the insertion and completion of contacts.

21. (original) A connector system according to claim 16, characterized by that the photo coupler (59) being positioned externally upon the receptacle (46) and making optical coupling through a slit.

22. (original) A connector system according to claim 14, characterized by that the receptacle being designed to contact conductors of a string device by a crimping tool.